

Title (en)

METHOD FOR COOLING AN INTERNAL COMBUSTION ENGINE USING A VERY LOW WATER HEAT TRANSFER FLUID WITH REDUCED LOW TEMPERATURE VISCOSITY

Title (de)

VERFAHREN ZUR KÜHLUNG EINES VERBRENNUNGSMOTORS UNTER VERWENDUNG EINER WASSERARME WÄRMEÜBERTRAGUNGSFLÜSSIGKEIT MIT VERRINGERTER NIEDRIGTEMPERATURVISKOSITÄT

Title (fr)

MÉTHODE DE REFOIDISSEMENT D'UN MOTEUR À COMBUSTION INTERNE UTILISANT UN FLUIDE CALOPORTEUR À TRÈS FAIBLE TENEUR EN EAU PRÉSENTANT UNE VISCOSITÉ RÉDUITE À BASSE TEMPÉRATURE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016179485A1] A very low water (VLW) heat transfer fluid, having an atmospheric boiling point of about 148°C (about 300°F) and a low temperature operating limit (LTOL) of -40°C or below, comprised of one or more polyhydric alcohols, one or more corrosion inhibitors, and between 5% and 10% water. The heat transfer fluid retains many of the features of a non-aqueous heat-transfer fluid, while providing a substantially lower viscosity. The heat transfer fluid is suitable for use in internal combustion engines as an engine coolant and in other heat transfer applications.

IPC 8 full level

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CPC (source: EP KR US)

C09K 5/10 (2013.01 - EP KR US); **C09K 5/20** (2013.01 - EP KR US); **F01P 3/00** (2013.01 - EP KR US); **F01P 2003/003** (2013.01 - EP KR US)

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